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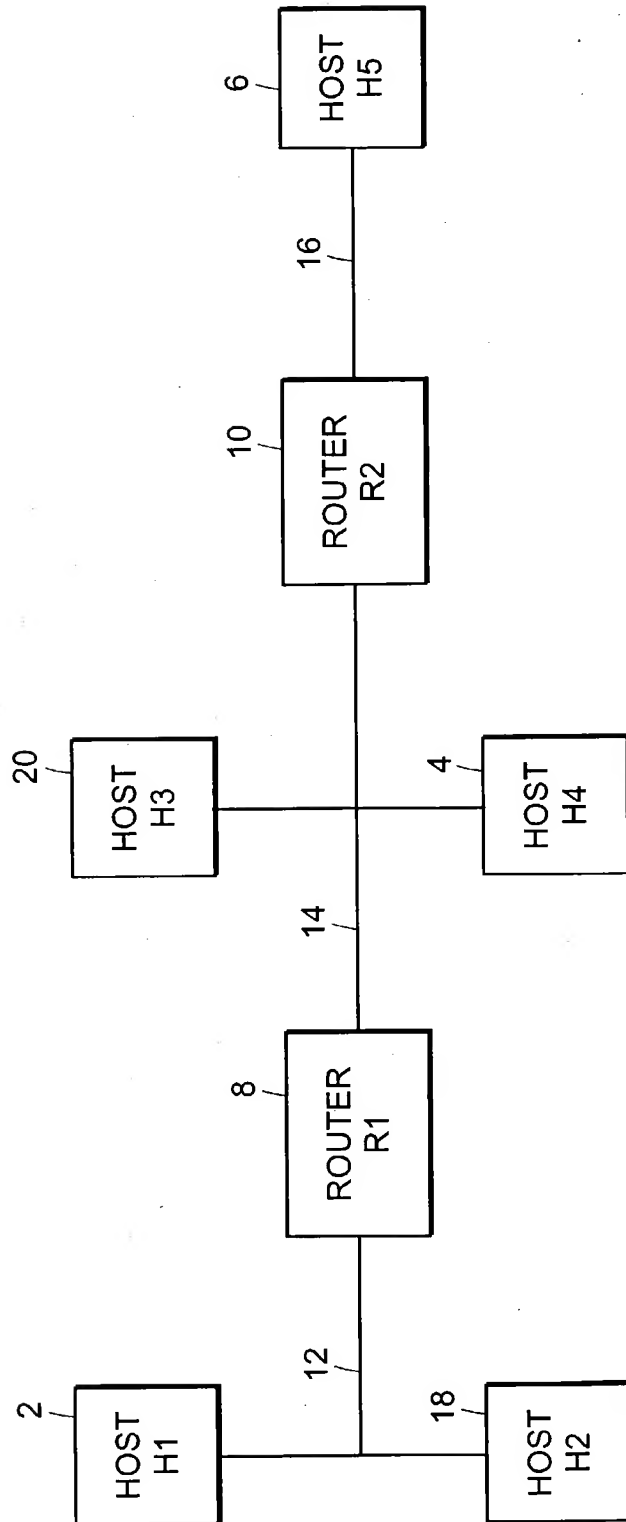


FIG. 1

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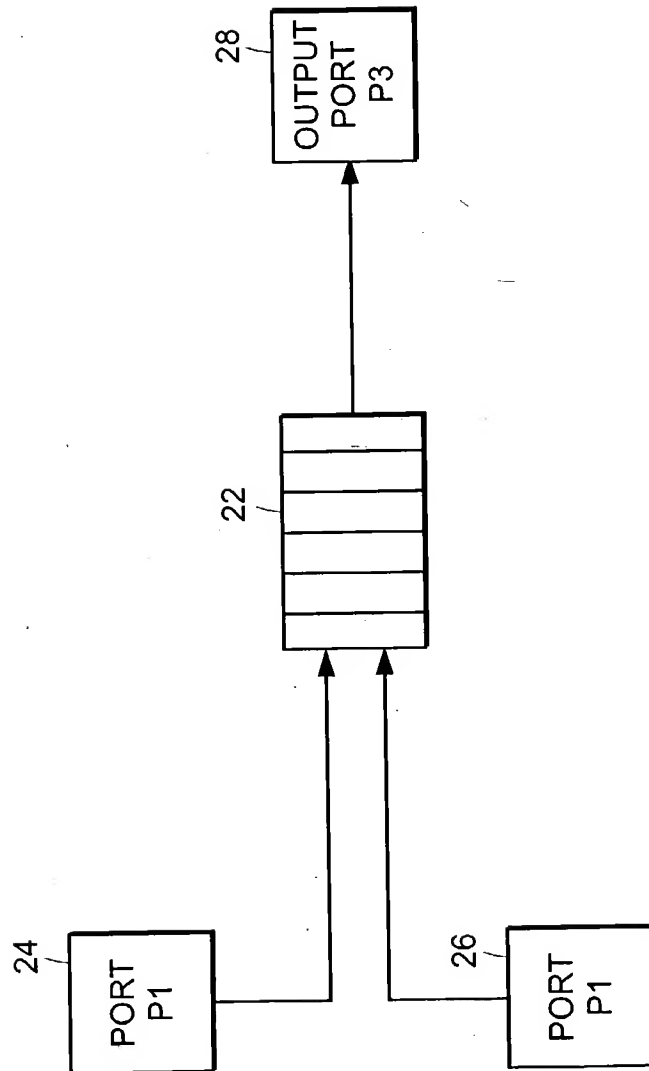


FIG. 2

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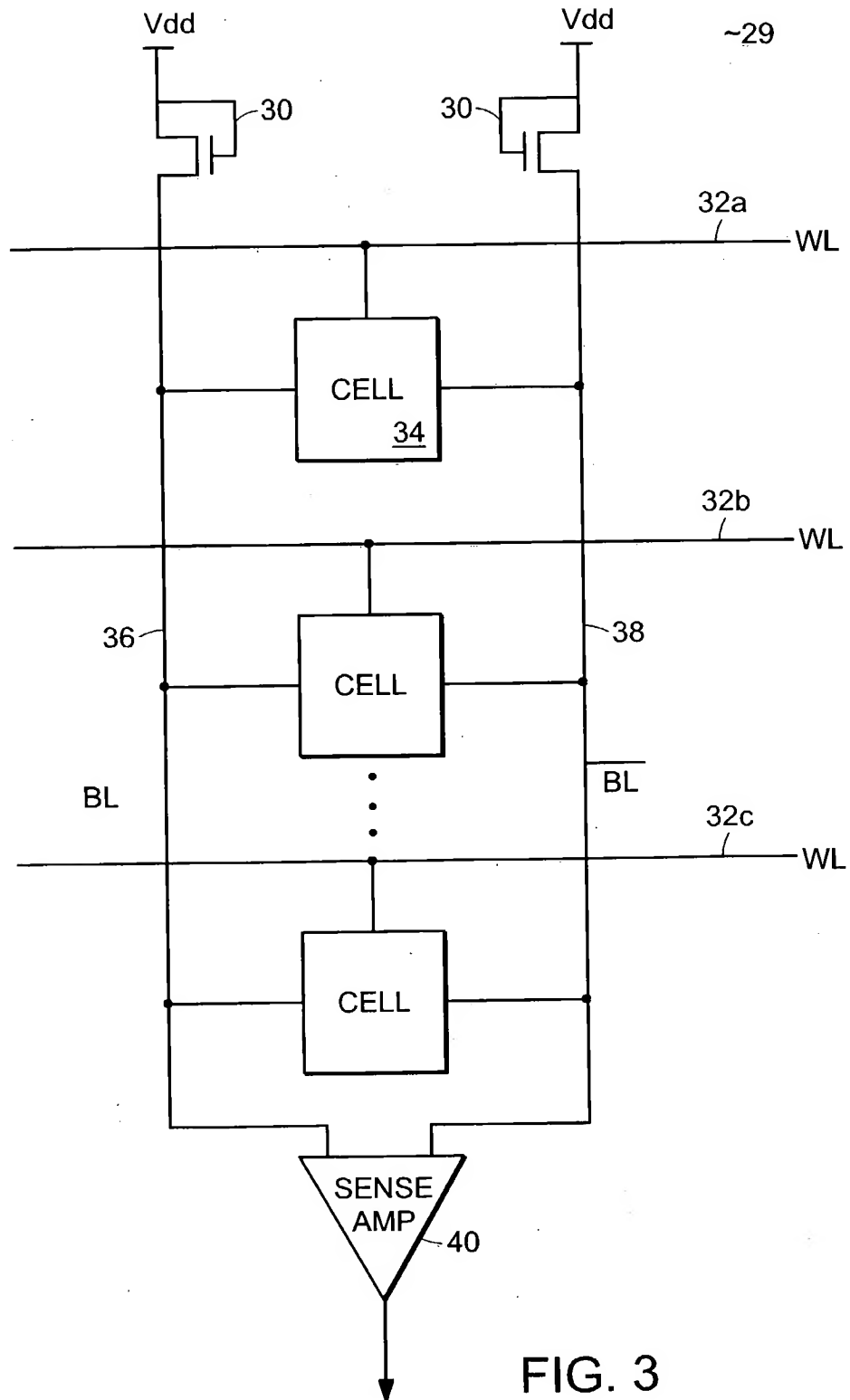
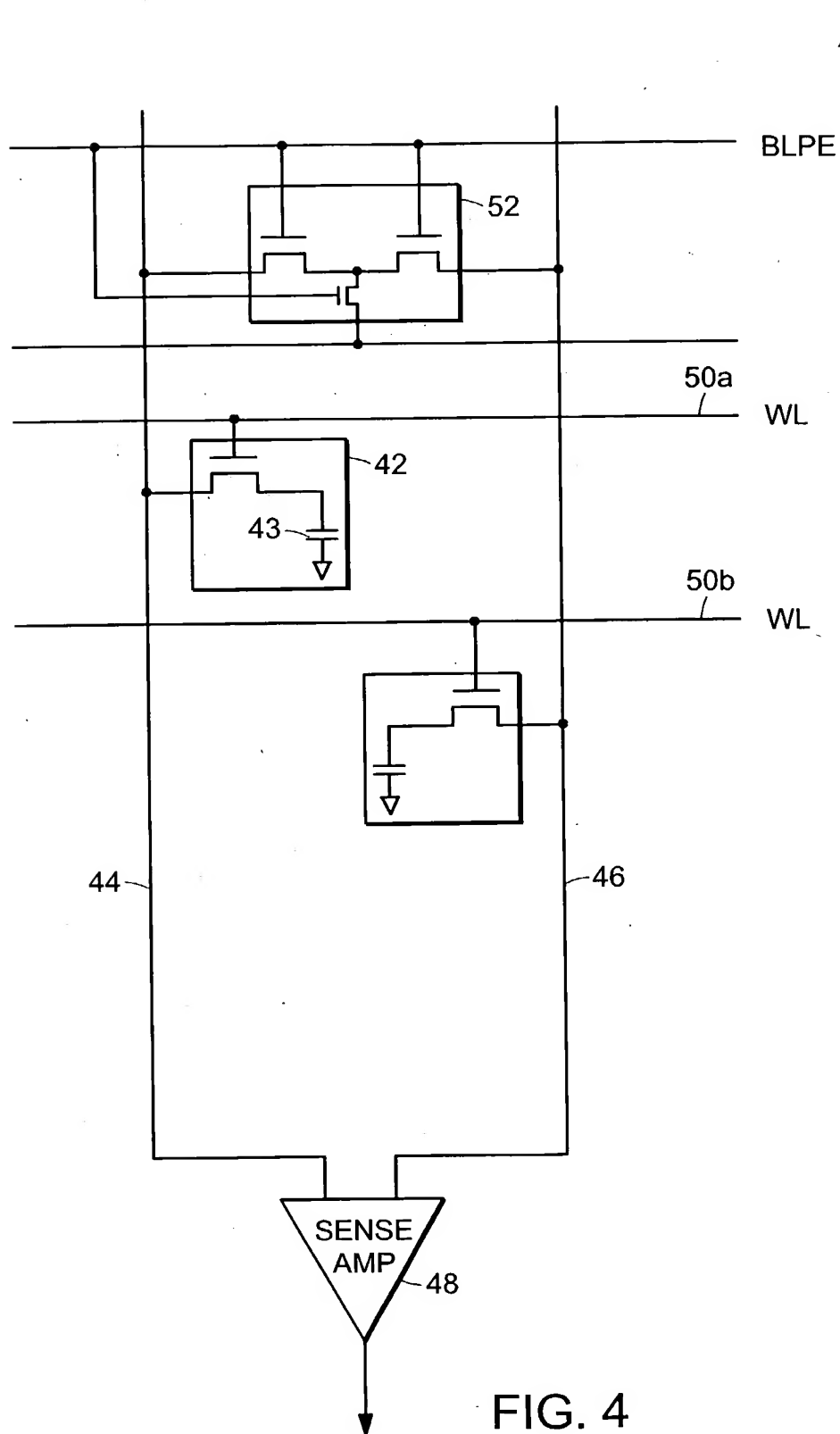


FIG. 3

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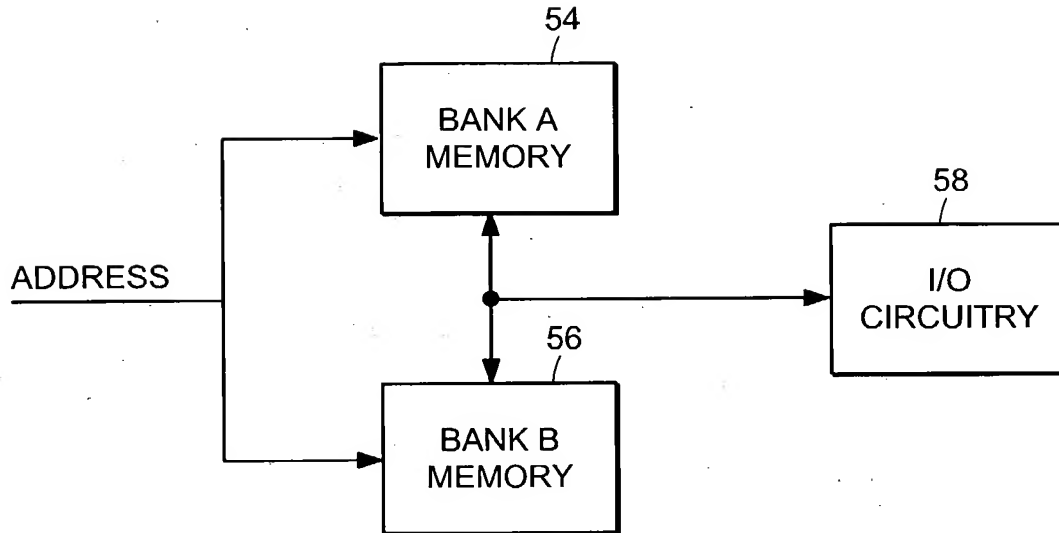


FIG. 5

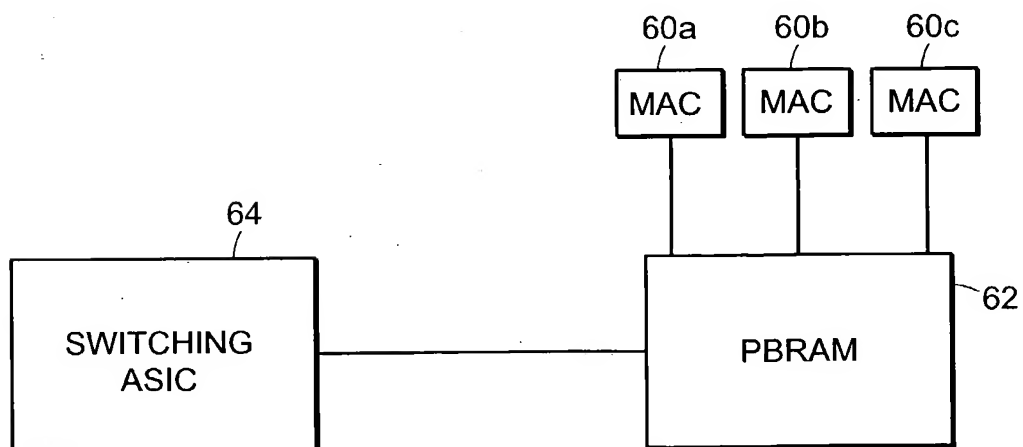


FIG. 6

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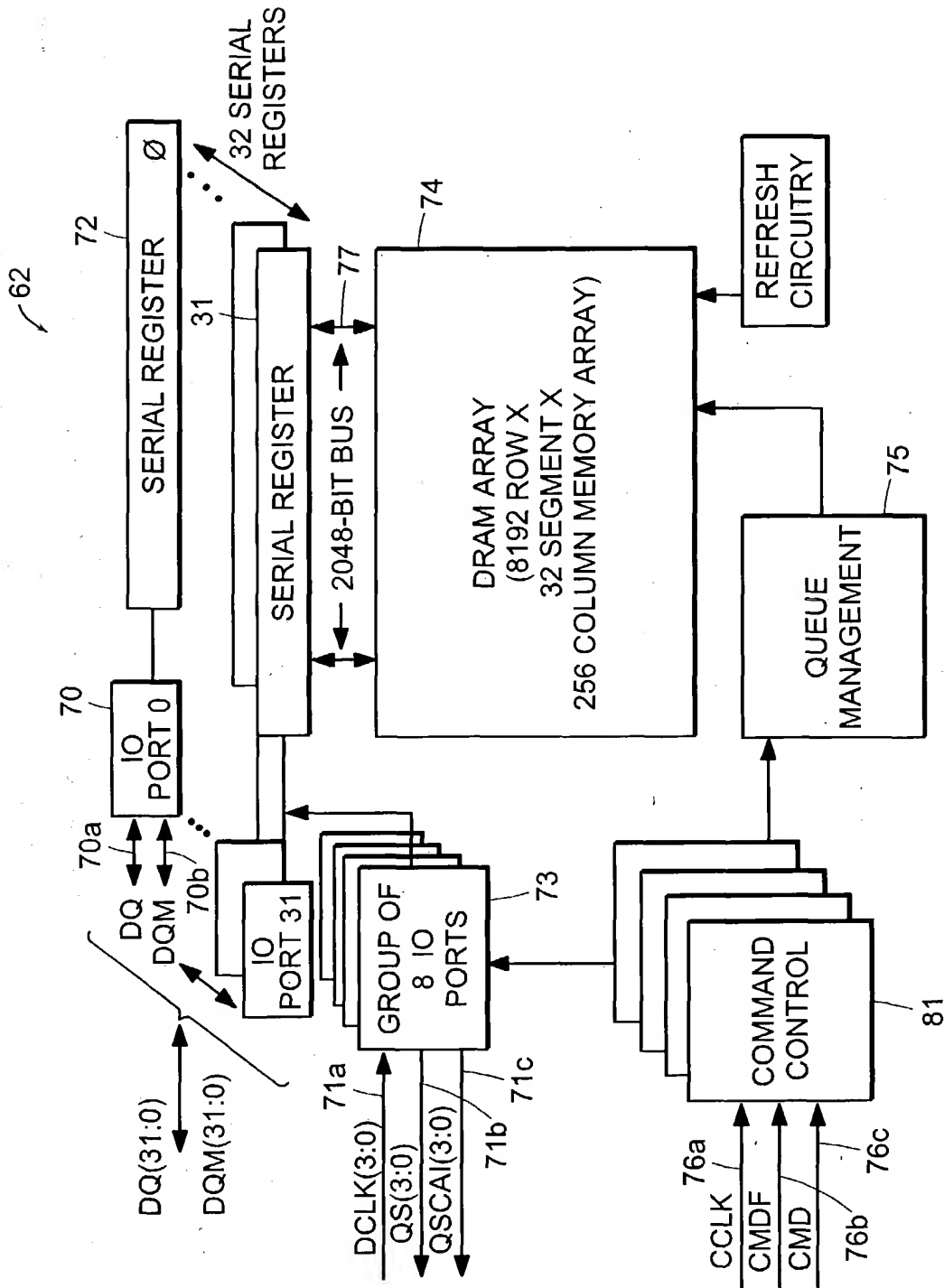


FIG. 7

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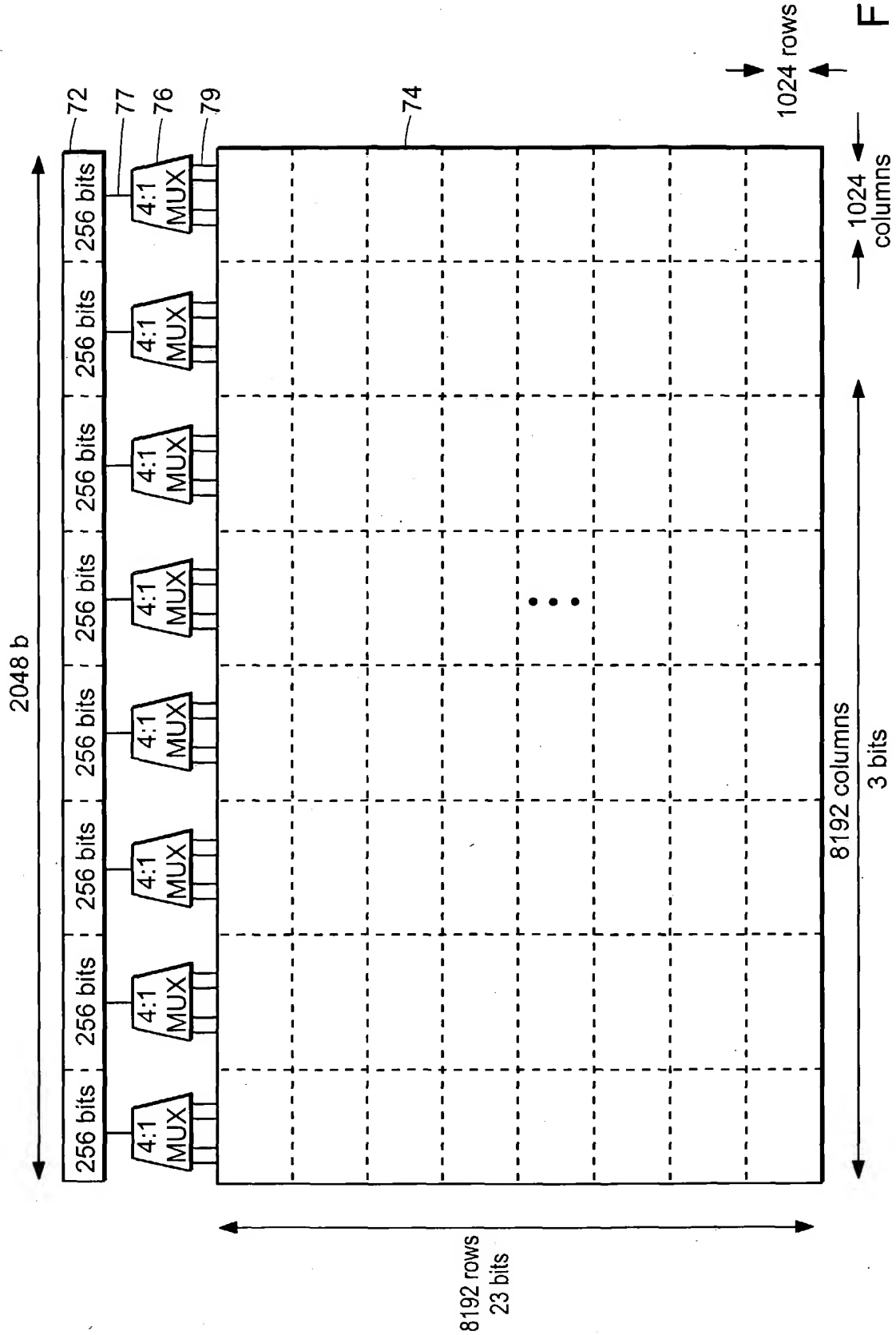


FIG. 8

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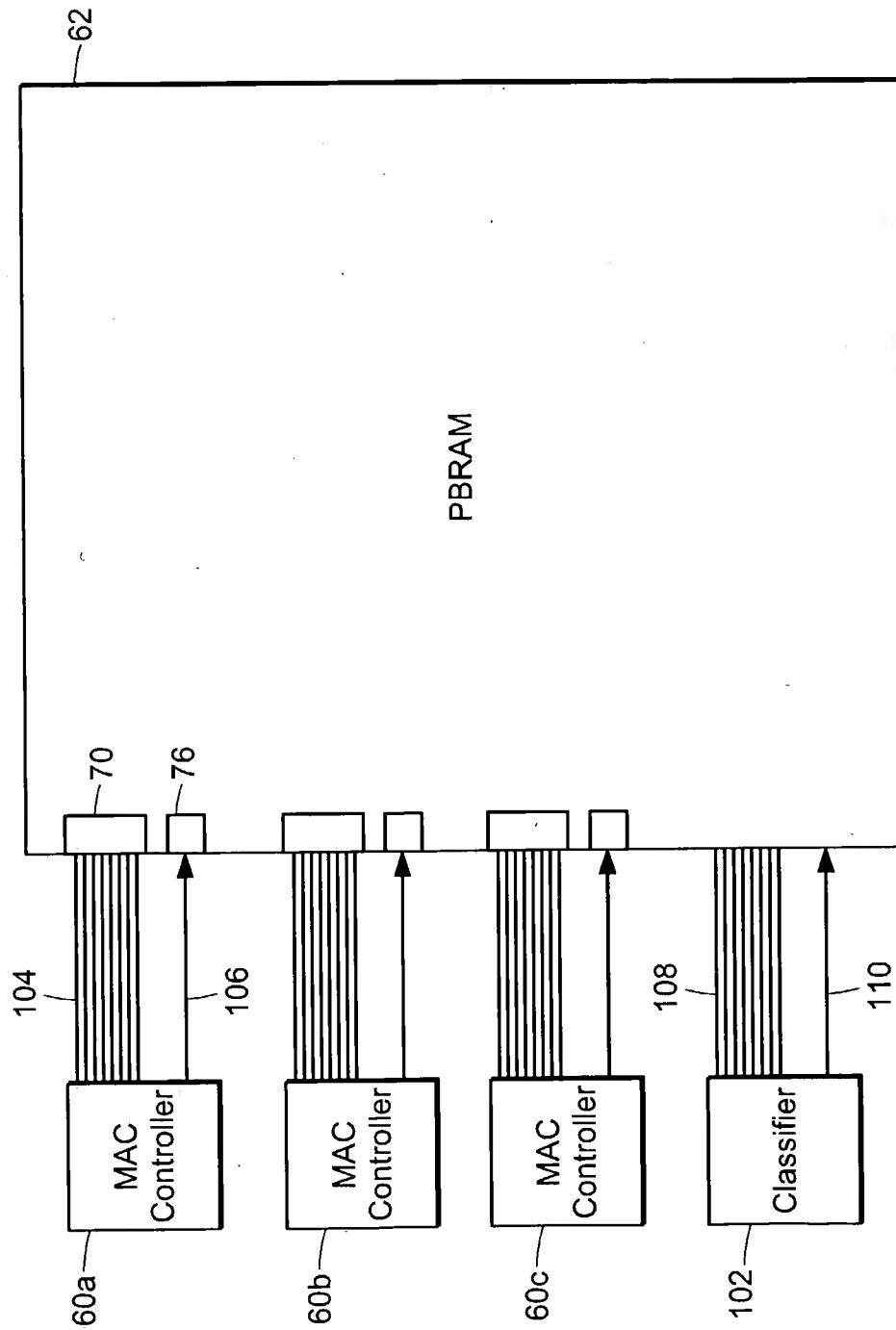


FIG. 9

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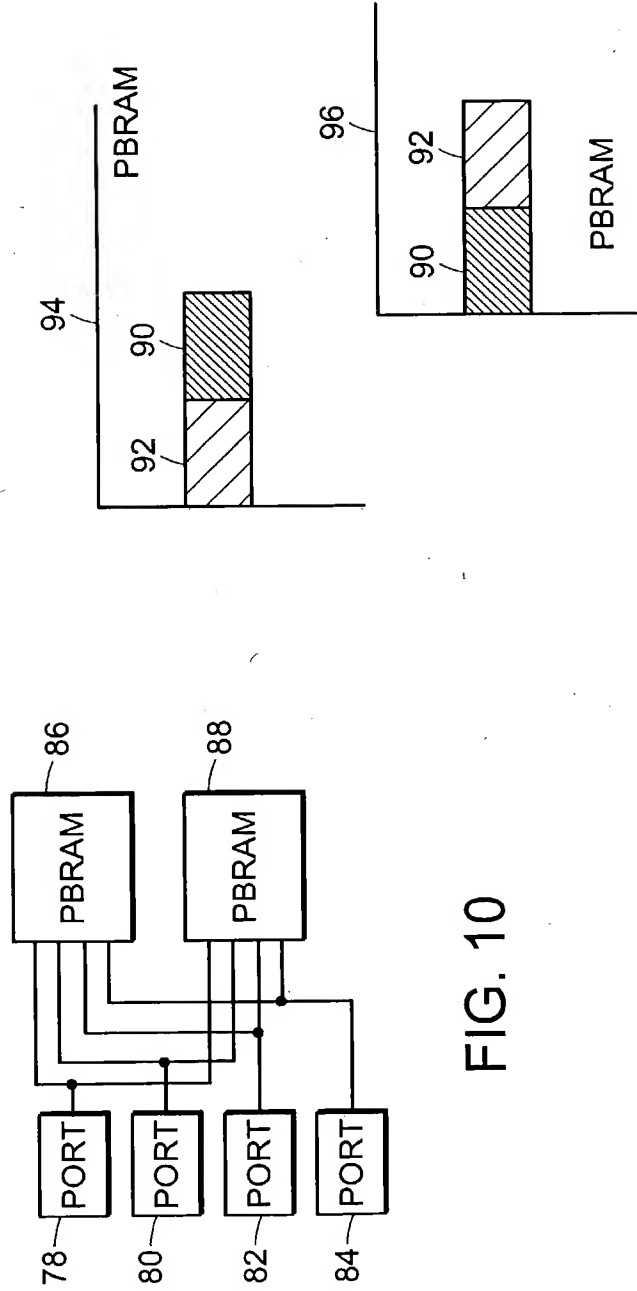
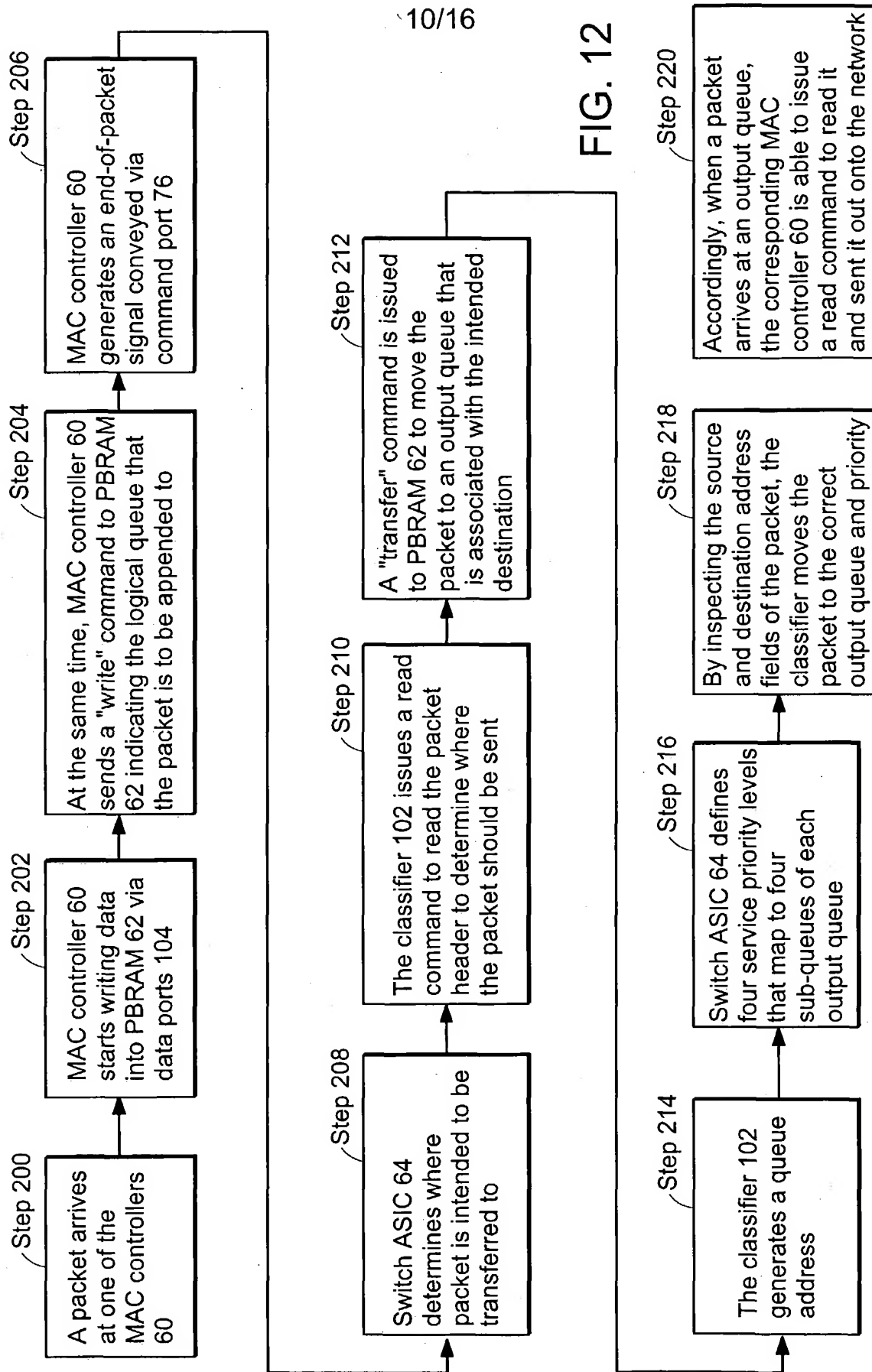


FIG. 11

FIG. 10



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CMDF	7	6	5	4	3	2	1	0	
0	0	0	0	Port ID					Port ID: The address of the port to return data on(0-31). A: Abort flag F: Free flag P: Peek flag Queue HI, queue LO: bits 11-8 and 7-0 of the queue descriptor, respectively.
0	0	A	F	P	Queue HI				
1	Queue LO								

Read Data Command

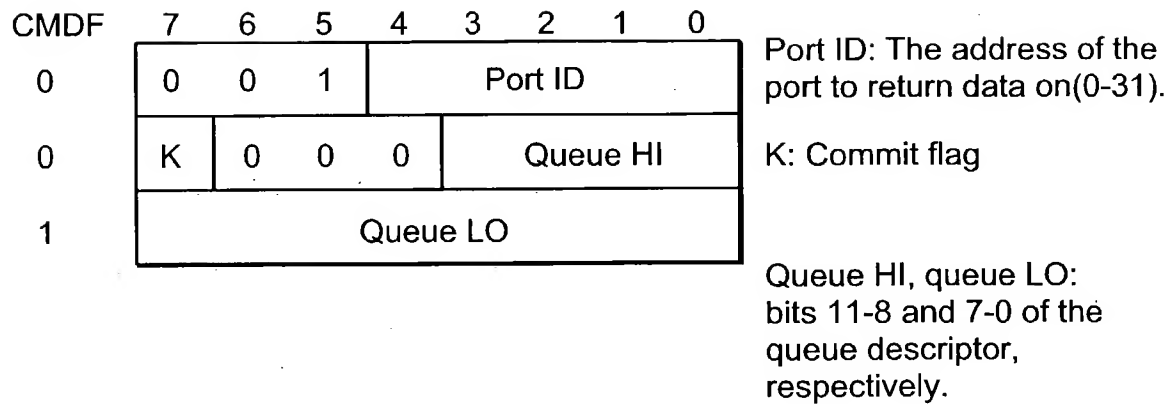
FIG. 13

CMDF	7	6	5	4	3	2	1	0	
0	0	1	0	Port ID					Port ID: The address of the port to return data on(0-31).
1	0	0	F	Delay					

Suspend Output Command

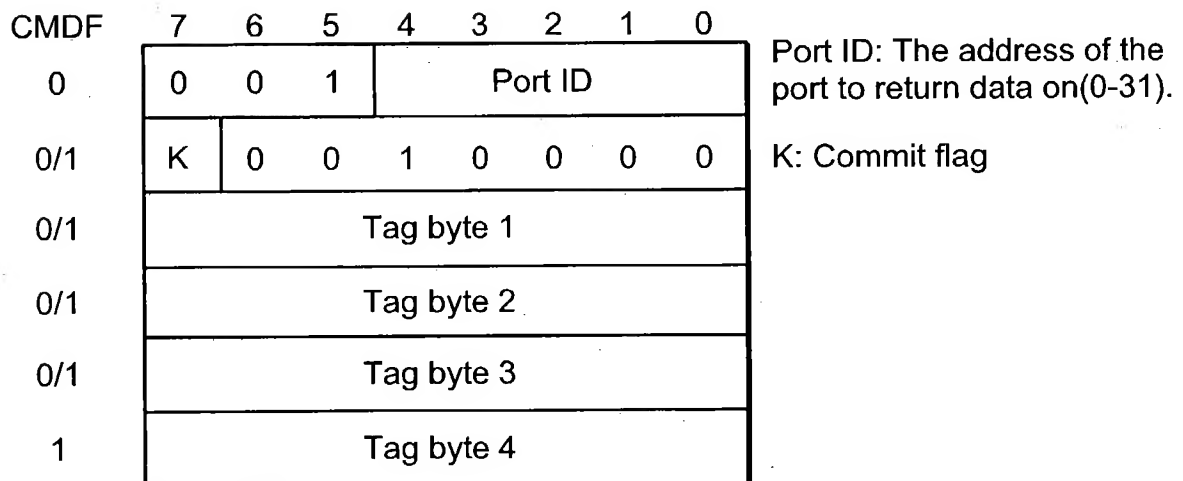
FIG. 14

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Assign Queue Command

FIG. 15



Assign Tag Command

FIG. 16

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CMD	7	6	5	4	3	2	1	0	
0	0	0	1	Port ID					Port ID: The address of the port to return data on(0-31).
0/1	K	0	1	0	0	0	0	0	K: Commit flag
0/1	Length byte 1								
0/1	Length byte 2								
1	Length byte 3								

Assign Length Command

FIG. 17

CMD	7	6	5	4	3	2	1	0	
0	0	0	1	Port ID					Port ID: The address of the port to return data on(0-31).
1	1	0	1	1	0	0	0	0	

Commit Command

FIG. 18

CMD	7	6	5	4	3	2	1	0	
0	0	0	1	Port ID					Port ID: The address of the port to return data on(0-31).
1	1	1	0	0	0	0	0	0	

Write Abort Command

FIG. 19

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C MDF	7	6	5	4	3	2	1	0
0	0	1	1	0	0	0	0	0
0	0	0	0	0	Source queue HI			
0	Source queue LO							
0	0	0	0	0	Dest. queue HI			
1	Dest. queue LO							

Transfer Command

FIG. 20

CMD	7	6	5	4	3	2	1	0
0	0	1	1	0	0	0	0	1
0	0	0	0	0	Source queue HI			
1	Source queue LO							

Drop Data Command

FIG. 21

The "drop data" command removes the packet at the head of the specified queue, and frees the memory. This command is useful in cases of congestion.

4.3.3 Flush Queue

CMDF	7	6	5	4	3	2	1	0
0	0	1	1	0	0	0	1	0
0	0	0	0	0	Source queue HI			
1	Source queue LO							

Flush Queue Command

FIG. 22

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CMD	7	6	5	4	3	2	1	0
0	0	1	1	1	1	1	1	1
1	R	0	0	0	0	0	0	0

Reset Command

FIG. 23

CMD	7	6	5	4	3	2	1	0
1	1	1	1	1	1	1	1	1

No-Op Command

FIG. 24

CMD	7	6	5	4	3	2	1	0
1	1	1	1	0	Option			

Test Command

FIG. 25

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CMD	7	6	5	4	3	2	1	0
0	1	0	0	0	0	0	0	0
1	0	Buffer Size			0	Buffer Count		

Set Chip Count Command

FIG. 26

CMD	7	6	5	4	3	2	1	0
0	1	0	0	0	0	0	0	1
1	0	Packet Size			B	Tag Length		

Set Tag Length Command

FIG. 27

CMD	7	6	5	4	3	2	1	0
0	1	1	0	Port				
1	ENC	QS	QSC	Chip ID				

Timing Reference Command

FIG. 28

CMD	7	6	5	4	3	2	1	0
0	1	0	1	Port				
0	0	0	0	Chip ID				
1	0	0	0	Vernier delay				

Chip ID: The value of DEVSEL for the chip that is to respond.

Port the port ID (0,8,16 or 24)

Vernier Adjust Command

FIG. 29